

535-CD-003-001

## **EOSDIS Core System Project**

# **Flight Operations Segment (FOS) Release A Acceptance Data Package for the ECS Project**

December 1996

Hughes Information Technology Systems  
Upper Marlboro, Maryland

# Flight Operations Segment (FOS) Release A Acceptance Data Package for the ECS Project

December 1996

Prepared Under Contract NAS5-60000  
CDRL Item #108

## APPROVED BY

<u>Paul Fingerman /s/</u>	<u>12/24/96</u>
Paul Fingerman, ECS CCB Chairman	Date
EOSDIS Core System Project	

**Hughes Information Technology Systems**  
Upper Marlboro, Maryland

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# Preface

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This document is a formal contract deliverable with an approval code 1. It requires Government review and approval prior to acceptance and use. This document is under ECS contractor configuration control. Once this document is approved, Contractor approved changes are handled in accordance with Class I and Class II change control requirements described in the Earth Observing System (EOS) Configuration Management Plan, and changes to this document shall be made by document change notice (DCN) or by complete revision.

Any questions should be addressed to:

Data Management Office  
The ECS Project Office  
Hughes Information Technology Systems  
1616 McCormick Drive  
Upper Marlboro, MD 20774-5372

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# Abstract

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This report is a documented account of the Flight Operations Segment (FOS) Release A Acceptance Data Package during the period November 6, 1996 through November 27, 1996.

This report includes:

- a. Reference to the FOS Release A Physical Configuration Audit and Functional Configuration Audit, which is included in Data Item Description (DID) #506.
- b. Reference to the FOS Release A Acceptance Test Results, which is included in DID #412.
- c. Reference to the FOS Release A Acceptance Test Logs -- i.e., the location where these test logs are physically located.
- d. A summary of the open Action Items from the FOS Release A Functional Configuration Audit (FCA)/Physical Configuration Audit (PCA).
- e. Reference to FOS Non-Conformance Reports (NCRs), which are included in the Distributed Defect Tracking System (DDTS).
- f. A list of the operating manuals that are located at the EOS Operations Center (EOC).

**Keywords:** Configuration Audits, PCA, FCA, Acceptance Test Logs, action items, and operating manuals.

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AB-1 and AB-2			Original
<b>Document History</b>			
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## **Appendix A. EOC Release A Vendor Documentation List**

### **Abbreviations and Acronyms**

# 1. Introduction

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## 1.1 Identification

This document is the FOS Release A Acceptance Data Package for the ECS Project, which is item 108 on the Contract Data Requirements List (CDRL) and defined by Data Item Description (DID) 535/PA1 under contract NAS5-60000.

## 1.2 Scope

This document defines the FOS Acceptance Test data package for Release A.

This document reflects the February 7, 1996, Technical Baseline maintained by the Contractor Configuration Board in accordance with ECS Technical Direction No. 11, dated December 6, 1994.

## 1.3 Purpose

This document describes the information which makes up the FOS Release A Acceptance Test data package. Its purpose is to provide high level information regarding the acceptance testing effort to specifically and comprehensively identify the acceptance test data, and to specify the location of the data produced during acceptance testing.

## 1.4 Status and Schedule

The submittal of DID 535/PA1 meets the milestone specified in the CDRL of the National Aeronautics and Space Administration (NASA) contract NAS5-60000.

## 1.5 Organization

Section 1 provides the identification, scope, purpose, status and schedule, and document organization.

Section 2 provides a list of documents, that were used directly or indirectly in the preparation of this document.

Section 3 defines the FOS Release A Acceptance Test data package. It includes identification of the Functional Configuration Audit (FCA) and Physical Configuration Audit (PCA) results, their location, and specific document numbers, as applicable; identification of system Acceptance Test data, their location, and specific document numbers; identification of open action items, reasons they are still open, and authorization to accept these items; identification of operating manuals and verification that they have been provided; and identification of additional deliverable data.

Appendix A contains the list of Release A vendor documentation that resides at the EOC.

The section Abbreviations and Acronyms contains an alphabetized list of the definitions for abbreviations and acronyms used in this volume.

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## 2. Related Documentation

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### 2.1 Parent Documents

The parent documents are the documents from which this FOS Release A Acceptance Data Package's scope and content are derived.

420-05-03	Goddard Space Flight Center, EOS Performance Assurance Requirements for the EOSDIS Core System (ECS)
423-41-01	Goddard Space Flight Center, ECS Statement of Work
423-41-03	Goddard Space Flight Center, EOSDIS Core System Contract Data Requirements Document

### 2.2 Applicable Documents

The following documents are referenced herein and are directly applicable to document. In the event of conflict between any of these documents and this document, this document shall take precedence.

412-CD-003-002	ECS System Acceptance Test Report for Release A, Volume 3: Earth Observing System (EOS) Operations Center (EOC)
506-CD-002-001	Configuration Audits of Flight Operations Segment (FOS) Release A for the ECS Project

### 2.3 Information Documents

#### 2.3.1 Information Documents Referenced

The following documents are referenced herein and, amplify or clarify the information presented in this document. These documents are not binding on the content of the FOS Release A Acceptance Data Package for the ECS Project.

609-CD-005-001	Flight Operations Segment (FOS) Operations Tools Manual for the ECS Project
814-RD-007-003	Flight Operations Segment (FOS) Release A Version Description Document (VDD) for the ECS Project
320-WP-001-002	Flight Operations Segment (FOS) Commercial Off the Shelf (COTS) Hardware and Software for Release A of the ECS Project

### **2.3.2 Information Documents Not Referenced**

The following documents, although not referenced herein and/or not directly applicable, do amplify or clarify the information presented in this document. These documents are not binding on the content the FOS Release A Acceptance Data Package for the ECS Project

- 322-CD-010-003      Flight Operations Segment (FOS) Integration and Test (I&T) Procedures for the ECS Project.
- 324-CD-004-001      Flight Operations Segment (FOS) Release A Integration and Test (I&T) Reports for the ECS Project

## 3. Acceptance Data

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### 3.1 Audit Records

#### 3.1.1 Physical Configuration Audit

The Flight Operations Segment (FOS) Physical Configuration Audit (PCA) was held at the EOS Operations Center (EOC) on November 14, 1996 and concluded on November 22, 1996. Prior to this audit a 'kickoff' meeting was held at the Hughes Information Technology Systems (HITS) office on November 6, 1996 at which all team members met and stated their audit requirements.

The PCA examined the 'as-built' ECS FOS configuration, as viewed at the EOC, to ensure that it conformed to the Release A design documentation, as described by the FOS product baseline. The FOS product baseline consisted of:

- a. FOS Release A Version Description Document (VDD) -- 814-RD-007-003
- b. FOS COTS Hardware Configuration White Paper -- 320-WP-001-002
- c. Floor plans provided by the ECS Maintenance and Operations office were used to identify equipment in the EOC.

Attendees of the FOS PCA included the Earth Science Data and Information System (ESDIS) Quality Office, NASA FOS Team, the ECS Configuration Management Office and Quality Office, and the ECS FOS Team.

The results of the FOS PCA are documented in the Configuration Audits for Flight Operations Segment (FOS) Release A for the ECS Project, 506-CD-002-001. In summary, the results of the PCA held on November 14, 1996 included the identification of a set of 38 Non-Conformance Reports (NCRs). After an intensive period of revision, FOS and CMO team members informed the audit team that the NCRs had been addressed and requested that the PCA be re-opened. This occurred on November 22, 1996. 'Red-lined' documents were presented to the audit team and discussed with the audit team. This review concluded with the signing of the PCA certificate by all audit team members.

#### 3.1.2 Functional Configuration Audit

The Flight Operation Segment (FOS) Functional Configuration Audit (FCA) was held at the HITS offices in Upper Marlboro, MD on November 25, 1996. It was preceded by a 'kickoff' meeting on November 21, 1996 at the EOS Operations Center (EOC).

The FCA examined the Acceptance Test Results, Test Procedures, and Test Status information. It also reviewed the NCRs by Severity, by Test by Severity, and by Subsystem by Severity. Additional information for review at the FCA included the requirements status, Requirements by Release (RBR) requirements lists, Level 4 requirements lists, and mapping of requirements to test cases.

Attendees of the FOS FCA included the ESDIS Quality Office, NASA FOS Team, the ECS Configuration Management Office and Quality Office, and the ECS FOS Team.

The results of the FOS FCA are documented in the Configuration Audits for Flight Operations Segment (FOS) Release A for the ECS Project, 506-CD-002-001. In summary, the results of the FCA held on November 25, 1996 included the identification of six action items. Four of the items were closed at the FOS Release Readiness Review (RRR). The fifth action item pertains to an investigation into updating the NCR home page content, and the sixth action item pertains to updating the mapping of requirement F-FUI-09120 to test case ANA-2000A (note: this last action item is awaiting the new Requirements and Traceability Management (RTM) update cycle.

This review concluded with the signing of the FCA certificate by all audit team members.

## **3.2 System Acceptance Test Data**

### **3.2.1 System Acceptance Test Results**

The Flight Operations Segment Release A System Acceptance Test was held between November 11, 1996 and November 26, 1996 at the EOC. This test phase culminated in the FOS Release A Release Readiness Review, which was held at the HITS Upper Marlboro, MD facility on November 27, 1996. The key participants of the FOS Release A System Acceptance Test were the ECS FOS Test Team, ECS Quality Office, and the NASA/FOS Test Team. The ESDIS Independent Verification and Validation (IV&V) team also viewed the acceptance tests. The results of the FOS Release A System Acceptance Test are documented in the ECS System Acceptance Test Report for Release A, Volume 3: Earth Observing System (EOS) Operations Center (EOC), 412-CD-003-002.

### **3.2.2 System Acceptance Test Logs**

The system test logs consist of the following information for each test conducted during FOS Release A Acceptance Testing: test case number and title; test conduct summary; date of test; pass/fail assessment; test procedure deviations; NCRs written; NCRs verified; test iteration identification. These test logs are current as of 27 November 1996 and maintained by ECS Configuration Management.

### **3.3 Open Action Items**

All action items from the FOS PCA have been closed.

Two action items remain open from the FOS FCA. The first one pertains to an investigation into updating the NCR home page content. This action item does not pertain directly to the FOS Release A system. It is currently being worked by the ECS System Management Office in conjunction with the ESDIS Quality Office. The second remaining open action item from the FOS FCA pertains to updating the mapping of requirement F-FUI-09120 to test case ANA-2000A. This action item is awaiting the new RTM update cycle, and will be closed at that time.

All action items from the FOS Release A Release Readiness Review have been closed.

FOS has identified a set of NCRs in the FOS Release A system that will be corrected after the FOS Release A Release Readiness Review. The planned correction of these NCRs has been coordinated with the ESDIS Integration and Test (I&T) personnel as well as the Flight Operations Team. To ensure that this set of NCRs is uniquely tracked, they are included in the NCR Distributed Defect Tracking System (DDTS) project "From\_A" in the FOS\_Rel\_B class.

### **3.4 Operating Manuals**

The set of operating manuals for the EOC equipment has been provided to the EOC. The set of vendor manuals presently resides on books shelves in the EOC equipment room, and is listed in Appendix A. The Flight Operations Segment (FOS) Operations Tools Manual, 609-CD-005-001, describes how to use the functional capabilities provided for FOS Release A. The FOS Operations Tools Manual is planned to be updated with the Release B delivery of the FOS software.

### **3.5 Additional Deliverable Data**

Not applicable.

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## Appendix A. EOC Release A Vendor Documentation List

Vendor	Part Number	Title	Version	Qty
Addison-Wesley	ISBN 201-48951-1	Common Desktop Environment 1.0 - User' Guide	CDE 1.0	1
Alantec		PowerHub Supplementary Protocols Manuals V 2.6	V 2.6	2
Alantec		PowerHub Software Manual V 2.6	V 2.6	2
Alantec		PowerHub7000 Installation and Configuration Manual V 2.6	V 2.6	2
Atria	4000-013-B	ClearCase - Quick Reference		1
Atria	4000-001-B	ClearCase - User's Manual		2
Cabletron Systems		MicroMMAC-22E, MicroMMAC-24E, MicroMMAC-32C and MicroMMAC-34E, 10-BasT Intelligent Stackable HUB - User's Guide		2
Cabletron Systems		ESX-1320/ESX-1380, Local Management Guide		1
Cisco Systems	78-1276-01	Workgroup CDDI/FDDI Eisa HP Adapter - User's Guide		2
CiscoSystems	76-2171-01	Cisco Information Packet	B0	1
Datum Inc		9790, 9791 Synchronized Time Code Generator - Operating Manual		4
Digital	EK-TLZ07-0M.A01	TLZ07 Cassette Tape Option and Autoloader -Owner's Manual		1
Digital	EK-T224224-OG.A01	ZLXp-E1/E2/E3 PCI Graphics Options - Owner's Guide		2
Digital	EK-SFFIS-UG	Digital UNIX - Factory Installed Software Quick Reference		2
Digital	EK-RMALP-OG.A01	AlphaServer 1000 - Rackmount Owner's Guide		2
Digital	EK-PCDTA-UI.E01	Digital AlphaStation 200 Series -User Information		2
Digital	EK-KZPAA-UG.A01	KZPAA PCI/SCCI Host Adapter - User's Guide		3
Digital	EK-H9A10-IN.B01	H9A10(600) Cabinet - Installation/Owner's Guide		2
Digital	EK-DTSLV-OG.B01	Alpha Server 1000 - Owner's Guide		3
Digital	EK-DSRVE-OM-001	DECserver 90TL - Owner's Manual		2
Digital	EK-DEFPA-IN.B01	DEC FDDIcontroller/EISA		2
Digital	EK-DEFPA-IN..A01	DEC FDDIcontroller/PCI - User Information		2

Vendor	Part Number	Title	Version	Qty
Digital	EK-BA-350-UG	Storage Works Solutions - Shelf and SBB User's Guide		1
Digital	CP870C063A10	VRC21-KA/K4 Auto-Scanning with Digital Control Color Display Monitor		1
Digital	AV-Q2CCB-TE	DEC OSF/1 Update Installation Quick Reference Card		4
Digital	AV-PS3KB-TE	DEC OSF/1 Quick Reference Card		4
Digital	AA-Q18GA-TE	DECserver Network Access Software Installation (OSF/1)		4
Digital	AA-Q0R1B-TE	DEC OSF - Technical Overview		1
Digital	AA-PXC6G-TE	Release Notes and Installation Instructions for Ver 3.2D	V3.2D	5
Digital	AA-PWVEA-TE	Freeware for AXP Systems		1
Digital	AA-PW8YP-TE	Alpha Systems Firmware Update Version 3.4 Release Notes Overview		1
Digital	AA-PW5VC-TE	Network Access Server - Management		1
Digital	AA-PS2DF-TE	Digital UNIX - Installation Guide	V3.2	4
Digital	AA-PS2BF-TE	Digital UNIX - Release Notes		4
Digital	AA-PRENC-TE	Polycenter Console Manager - User's Guide		2
Digital	AA-PREMC-TE	Polycenter Console Manager - Installation Guide		2
Genicom	GEK-89030	Twisted-Pair and Thi-Net Ethernet GeniLink Print Server User's Guide		1
HP	J2552-90101	HP JetDirect Print Server - Software Installation Guide		1
HP	J2552-90061	HP JetDirect Print Server - Hardware Installation Guide		1
HP	J2316-90005	HP OpenView Network Node Manager - Administrator's Reference		1
HP	J2316-90004	HP OpenView Network Node Manager User's Guide		1
HP	J2312-90009	HP OpenView SNMP Agent Administrator's Reference		1
HP	J2311-90002	HP OpenView Windows User's Guide		1
HP	J2311-90000	HP Openview Installation Guide		1
HP	E0990	PostScript Cartridge User's Guide		1
HP	C3100-91029	HP Color LaserJet Printer Reference Manual		1
HP	C3100-90917	HP Color LaserJet Printer - Getting Starting Guide		1
HP	C3100-90901	HP Color LaserJet Printer User's Guide		1
HP	C2785-90001	Computer Cabinet User's Guide		1

Vendor	Part Number	Title	Version	Qty
HP	C2430-90008	Software update for HP Fast/Wide SCSI Disk Arrays support on Series 700 Systems		1
HP	C2039-90917	HP LaserJet 4M Plus Printer - Macintosh Notes		2
HP	C2039-90901	HP LaserJet 4M Plus Printer - Getting Started Guide		2
HP	C2037-90901	HP LaserJet 4 Plus and 4M Plus Printer User's Manual		2
HP	B3782-90049	Read Me Before Installing or Upgrading HP-UX 10.01		1
HP	B3476-90011	HP/DDE Debugger User's Guide		1
HP	B3476-90011	HP/DDE Debugger User's Guide		1
HP	B3280-90004	SoftBench Message Connector Quick Reference		2
HP	B3248-90005	HP WABI 2.0 User's Guide		1
HP	B3248-90004	Welcome to HP WABI		1
HP	B3193-90009	HP DCE/9000 Version 1.2.1 Application Development Tools Installation Notes		1
HP	B3193-90002	NCS 1.5.1 to DCE RPC Transition Guide		1
HP	B3190-99931	HP DCE/9000 Version 1.2.1 Installation Notes		1
HP	B3190-90030	Planning and Configuring HP DCE		1
HP	B3190-90002	Programmer's Notes on HP DCE Threads		1
HP	B2601-90603	SoftBench Edit Area Quick Reference ( for HP-UX)		2
HP	B2600-90618	iFOR/LS Quick Start Guide		2
HP	B2600-90617	Managing Software products with the Network License System		2
HP	B2600-90047	C++ Release Notes for Release B.04.07 on HP-UX 9.0x		2
HP	B2600-90044	Installing and Customizing SoftBench Products		2
HP	B2600-90043	HP/DDE Debugger Reference Guide		2
HP	B2600-90034	SoftBench Program Debugger (xdb) User's Guide		2
HP	B2600-90031	C and C++ SoftBench - User's Guide		2
HP	B2355-90048	Installing and Updating HP-UX 9.03		2
HP	B2355-90044	HP-UX Symbolic Debugger - User's Guide		1
HP	B2355-90041	Installing Peripherals		1
HP	B2355-90026	Programming on HP-UX (HP 9000 Computers)		2

Vendor	Part Number	Title	Version	Qty
HP	B2352-90616	Readme Before Installing or Upgrading HP-UX 9.0, 9.01, 9.05. 9.05 Version A.B9.05.1M and HP-UX 9.07		4
HP	B2352-90611	Release Notes Pointers for HP-UX 9.0, 9.01, 9.03 or 9.05		3
HP	B1697-90600	C++ Developer User's Guide		2
HP	B1637-90608	C++ Quick Reference Card		2
HP	B1171-90080	HP Visual User Environment 3.0 - Quick Start		2
HP	A4081-90600	Hardware Installation Guide		2
HP	A4032-90016	Color Graphics Display User's Guide- HP Computers		1
HP	A4018-90607	Owner's Guide		2
HP	A2615-90001	Using Your Hp Workstation		1
HP	A1658-90641	HP 9000 Series 700 Addendum for HP-UX 10.0		2
HP	A1658-90641	HP 9000 Series 700 Addendum for HP-UX 10.1		2
HP	92501-90026	HP C++ Programmer's Guide		2
HP	92453-90074	HP C/HP-UX Reference Manual		2
HP	92434-90008	HP C Programmer's Guide ( HP 9000 series 700/800)		2
HP	5960-8529	Working in Comfort with Your HP Computer Equipment		2
HP	5959-6589	HP LaserJet Printer Interface		1
HP	33471-90922	LaserJet III Printer Software Application Notes		1
HP	33471-90901	LaserJet IIP Printer User's Manual		1
HP		HP-UX Programming Quick Reference		1
HP		HP-UX Symbolic Debugger Quick Reference		1
Microplex		M202/M212 Ethernet Print Server		1
OSF	ISBN 1-56592-045-7	Guide to Writing DCE Applications	2nd Edition	1
OSF		OSF DCE User's Guide And Reference		1
OSF		OSf DCE Administration Guide - Core Components		1
OSF		OSF DCE Application Development Reference		1
OSF		OSF DCE Introduction		1
OSF		ASE Distributed Computing RPC Volume		1
OSF		OSF DCE Administration Reference		1
OSF		OSF DCE Administration Reference - Extended Services		1

Vendor	Part Number	Title	Version	Qty
OSF		OSF DCE Development Guide		1
Res Systems Inc		IDL Basics	V 4	1
Res Systems Inc		IDL User's Guide	V 4	1
Res Systems Inc		IDL Reference Guide A - M	V 4	1
Res Systems Inc		IDL Reference GuideN - Z	V 4	1
Res Systems Inc		IDL for UNIX	V 4	1
Sun	802-5145-10	Sun FDDI SBus Adapter 4.0 Product Notes		1
Sun	802-5144-10	SunFDDI SBus Adaptor 4.0 User'Guide		1
Sun	802-3740-10	SMCC Open Issues Supplement Solaris 2.5 Hardware 1/96		1
Sun	801-6990-10	Solaris 2.4 Handbook for MCC Peripherals		2
Sun	801-6397-10	Diskette Drive Installation and User's Manual		4
Sun	801-5963-10	SunCD 2Plus Installation and User's Manual		5
Sun	801-2424-10	Solaris 1.X (SunOS 4.X) Handbook for SMCC Peripherals		1
Sun	800-7508-10	FSBE/S SBus Card Manual		4
SunSoft	802-6634-10	Platform Notes: Ultra Enterprise 3000, 4000, 5000, and 6000 Systems		1
SunSoft	802-6459-10	Solaris 2.5.1 on Sun Hardware Documentation Map	Solaris 2.5.1	1
SunSoft	802-6104-10	Soltice -Backup 4.2 User's Guide		1
SunSoft	802-6104-10	Soltice Backup 4.2 Administration Guide		1
SunSoft	802-6103-10	Soltice - Backup 4.2 Installation and Maintenance Guide		1
SunSoft	802-6102-10	Soltice Backup 4.2 - Installation and Product Notes		1
SunSoft	802-5631-10	Soltice AdminSuite 2.2 - Installation and Product Notes		1
SunSoft	802-5629-10	Soltice Print Administration Guide AdminSuite 2.2		1
SunSoft	802-5628-10	Soltice Administration Guide -AdminSuite 2.2		1
SunSoft	802-5355-10	Soltice SyMON User's Guide		1
SunSoft	802-5341-10	SMCC SPARC Hardware Platform Guide		1
SunSoft	802-5340-10	SMCC Open Issues Supplement - Solaris 2.5.1	Solaris 2.5.1	1
SunSoft	802-5331-10	SunVT 2.0 User's Guide		1
SunSoft	802-5330-10	SunVTS 2.0 Test Reference Manual		1
SunSoft	802-5329-10	Sun VTS 2.0 Quick Reference Card		1
SunSoft	802-5328-10	Solaris Reference manual for SMCC-Specific Software		1
SunSoft	802-5327-10	Solaris 2.5.1 Handbook for SMCC Peripherals	Solaris 2.5.1	1

Vendor	Part Number	Title	Version	Qty
SunSoft	802-5326-10	Platform Notes: SMCC Frame Buffers		1
SunSoft	802-5012-10	Platform Notes: Using SPARCstorage Array Software		1
SunSoft	802-5009-10	Platform Notes: SPARCstation Voyage Software Guide		1
SunSoft	802-4922-10	Solaris 2.5.1 Release Notes	Solaris 2.5.1	1
SunSoft	802-4450-10	Solaris Desktop Installation Guide WABI		1
SunSoft	802-4341-10	OpenBoot 2.x Command Reference Manual		1
SunSoft	802-3883-10	Common Desktop Environment: Quick Start		1
SunSoft	802-3697-10	SMCC Hardware Platform Guide		1
SunSoft	802-3648-10	SPARCworks 3.1 - Performance and Tuning an Application	SPARCworks 3.1	1
SunSoft	802-3646-10	SPARCworks 3.1 - Browsing Source Code	SPARCworks 3.1	1
SunSoft	802-3645-10	SPARCworks 3.1 - Tutorial	SPARCworks 3.1	1
SunSoft	802-3644-10	SPARCworks 3.1 - Managing the Toolset	SPARCworks 3.1	1
SunSoft	802-3637-10	SPARCworks TeamWare 1.0.4 - Solutions Guide		1
SunSoft	802-3632-10	SPARCworks Teamware 1.0.4 - User's Guide		1
SunSoft	802-3563-10	SunSoft Visual Workshop for C++ - Overview		1
SunSoft	802-3544-10	SPARCcompiler Language System - Incremental Link Editor		1
SunSoft	802-3543-10	SPARCworks /iMPACT 3.0-Product Overview		1
SunSoft	802-3542-10	SPARCworks /iMPAC 3.0-Tools for Multithreaded Programming		1
SunSoft	802-3518-10	SPARCworks 3.1 - Building Programs with Make Tool	SPARCworks 3.1	1
SunSoft	802-3517-10	SPARCworks 3.1 - Debugging a Program	SPARCworks 3.1	1
SunSoft	802-3254-10	SPARCcompiler Language Systems - Numerical Computation Guide		1
SunSoft	802-3250-10	C++ 4.1 Quick Reference	SPARCcompiler C++ 4.1	4
SunSoft	802-3242-10	OpenBoot 3.x Command Reference Manual		1
SunSoft	802-3240-10	OpenBoot 3.x - Quick Reference Guide		1
SunSoft	802-3228-10	SPARCworks/ Visual 1.1 - User's Guide		1

Vendor	Part Number	Title	Version	Qty
SunSoft	802-3228-10	SPARCstorage UniPack User's Guide		1
SunSoft	802-3045-10	SPARCCompiler C++ 4.1 - Library Reference Manual	SPARCcompiler C++ 4.1	1
SunSoft	802-3044-10	SPARCCompiler C++ 4.1 - Migration Guide	SPARCcompiler C++ 4.1	1
SunSoft	802-3043-10	SPARCcompiler C++ 4.1 - User's Guide	SPARCcompiler C++ 4.1	1
SunSoft	802-2962-10	Common Desktop Environment Motif Transition Guide	CDE 1.0	1
SunSoft	802-2960-11	Common Desktop Environment Installation and System Administration Guide (CDE 1.0)	CDE 1.0	1
SunSoft	802-2959-11	Introduction to Solaris Common Desktop Environment	CDE 1.0	1
SunSoft	802-2702-10	1.05 and 2.1 Gbyte Single Connecto Disk Drive Installation Manual		1
SunSoft	802-2608-10	Using Power Management		1
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# Abbreviations and Acronyms

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ANA	Analysis
CCB	Configuration Control Board
CCR	Configuration Change Request
CDRL	Contract Data Requirements List
CM	Configuration Management
CMO	Configuration Management Office
COTS	Commercial Off the Shelf
CSR	Consent to Ship Review
DCN	document change notice
DDTS	Distributed Defect Tracking System
DID	Data item description
DM	Data Management
ECS	EOSDIS Core System
EOC	EOS Operations Center
EOS	Earth Observing System
EOSDIS	EOS Data and Information System
ESDIS	Earth Science Data and Information System (GSFC Code 505)
FCA	Functional Configuration Audit
FOS	Flight Operations Segment (ECS)
FUI	FOS User Interface
GSFC	Goddard Space Flight Center
HITS	Hughes Information Technology Systems
I&T	Integration and Test
IV&V	Independent Verification and Validation
NASA	National Aeronautics and Space Administration
NCR	Non-Conformance Report

PCA	Physical Configuration Audit
QA	Quality Assurance
RBR	Requirement by Release
RCM	Real-Time Contact Management
RRR	Release Readiness Review
RTM	Requirements and Traceability Management
TRR	Test Readiness Review
VDD	Version Description Document